Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Final

AIR QUALITY PERMIT

Issued under 401 KAR 52:020

Permittee Name:	**Accuride Corporation**
Mailing Address:	**2315 Adams Lane, Henderson, KY 42420**
Source Name:	**Accuride Corporation**
Mailing Address:	**Same as above**
Source Location:	**2315 Adams Lane**
Permit:	**V-07-015**
Agency Interest:	**1786**
Activity:	**APE20020001**
Review Type:	**Title V, Operating**
Source ID:	**21-101-00030**
Regional Office:	**Owensboro Regional Office** **3032 Alvey Park Dr. W., Suite 700** **Owensboro, KY 42303**
County:	**Henderson**
Application Complete Date:	**September 1, 2006**
Issuance Date:	**August 19, 2008**
Revision Date:	
Expiration Date:	**August 19, 2013**

John S. Lyons, Director
Division for Air Quality

Revised 05/07/07

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	Permit type	**Activity#**	**Complete Date**	**Issuance Date**	**Summary of Action**
V-98-039	**Initial**	**F505**	**February 20, 1998**	**March 5, 1998**	**Initial Operating Permit**
V-07-015	**Renewal**	**APE20020001**	**June 8, 2007**	**August 19, 2008**	**Renewal Operating Permit**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Paint Line 450

01 (450) White Repair Coating Applicator - 450
Air Gun Spray applicator
Capacity: 650 pieces per hour, using approximately 0.5 gallons paint per hour
Construction Commenced: 1986
Control Equipment: low VOC coatings, and dry filters for particulate control.

02 (450) White Repair Coat Air Drying Zone – 450
650 pieces per hour
Construction Commenced: 1981
Control Equipment: None

07 (450) White Electrocoat Dip Tank – 450
12,000 gallon Electrodeposition Tank
650 pieces per hour
Construction Commenced: 1982
Control Equipment: Low VOC coatings

28 (450) Pretreatment burner #1B
Rated Capacity: 3.8 mmBtu/hour (Indirect fired unit)
Fuel: Natural gas
Construction Commenced: 1981
Control Equipment: None

15 (450) White Electrocoat Dip Tank Curing Oven – 450
Rated Capacity: 10 mmBtu/hour (Direct fired unit)
Fuel: Natural gas
Construction Commenced: 1982
Control Equipment: None

APPLICABLE REGULATIONS:

401 KAR 59:225, *New Miscellaneous Metal Parts and Products Surface Coating Operations,* applies to Paint Line 450 as an affected facility, which commenced on or after the February 4, 1981 effective date of the regulation and which is part of a major source located in a county or portion of a county designated attainment or marginally nonattainment for ozone in 401 KAR 51:010.

401 KAR 59:010, *New Process Operations,* applicable to each affected facility or source, associated with a process operation, which is not subject to another emission standard with respect to particulates, commenced on or after July 2, 1975.

401 KAR 63:002. 40 CFR 63, *National Emission Standards for Hazardous Air* Pollutants, incorporating by reference 40 CFR 63, Subpart MMMM, *National Emission Standard for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products,* which applies to paint lines, coating lines, and electrodeposition painting lines. Paint Line 450 is an existing affected source pursuant to 40 CFR 63, Subpart MMMM.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

401 KAR 59:015**,** *New Indirect Heat Exchangers,* applies with respect to particulate emissions and sulfur dioxide emissions to each affected facility with a capacity of 250 mmBtu/hr or less and greater than one (1) mmBtu/hr, and commenced on or after April 9, 1972. This rule applies to EP 28(450).

1. Operating Limitations:

The affected facility shall be exempt from the provisions of Section 3 of 401 KAR 59:225 provided the VOC content of coating at EP 01(450) and EP 07(450) is less than 3.5 lbs VOC/gallon, excluding water or exempt solvent or both, delivered to applicators associated with air or forced air-dried items or items subject to outdoor or harsh exposure or extreme environmental conditions. [401 KAR 59:225, Section 6(1)(b)]

Compliance Demonstration Method:

Compliance with **1. Operating Limitations** shall be demonstrated in accordance with 401 KAR 59:225, Section 4(5). The affected facility is the coating line, which is defined as the repair coating and electrocoat dipping process. The permittee may use MSDS or Technical Data Sheets to obtain the data to use in the following equation:

$$ef = \frac{(volume\ \ fraction\ organic\ solvent)(organic\ solvent\ density)}{1 - volume\ \ fraction\ of\ \ water\ and\ /\ or\ exempt\ sovent}$$

$$\text{Where } volume\ \ fraction\ organic\ solvent = \left(\frac{vol_p}{100}\right)\left(\frac{N_P}{N_P + N_T}\right) + \left(\frac{vol_T}{100}\right)\left(\frac{N_T}{N_P + N_T}\right)$$

$$\text{Or in general, } volume\ \ fraction\ organic\ solvent = \sum_{i=1}^{n}\left(\frac{vol_i}{100}\right)\left(\frac{N_i}{\sum_{i=1}^{n} N_i}\right)$$

The variables in the above equations are defined as follows:

Vol_P = percent volatile by volume of the paint (excluding water and/or exempt solvent)
Vol_T = percent volatile by volume of the thinner (excluding water and/or exempt solvent)
vol_i = percent volatile by volume of component *i* (excluding water and/or exempt solvent)
N_P = Number of parts of paint in multiple part coating
N_T = Number of parts of thinner in multiple part coating
N_i = Number of parts of component *i* in multiple part coating
n = Total number of components in multiple part coating

2. Emission Limitations:

a. For EP 01(450), 02(450) and 07(450):
   i. Pursuant to 401 KAR 59:010, Section 3 (1)(a), no person shall cause, suffer, allow or

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity for each emission point listed above.

ii. Pursuant to 401 KAR 59:010, Section 3(2) particulate emissions shall not exceed 2.34 lbs/hr for each emission point listed above.

Compliance Demonstration Method:

i. To demonstrate compliance with paragraph **2.a.i**, the permittee shall perform a qualitative visual observation of the opacity of emissions from the stacks of EP 01(450) and 02(450) at least once per operating month and maintain a log of the observations. If visible emissions from the vents are seen, then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.

ii. Compliance with **2.a.i** demonstrates compliance with paragraph **2.a.ii**.

iii. The dip tank EP 07(450) shall be assumed to be in compliance with the above opacity and mass standards due to the nature of this type of coating operation.

b. For EP 28(450):

i. Pursuant to 401 KAR 59:015, Section 4(2), no person shall cause, suffer, allow or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

ii. Pursuant to 401 KAR 59:015, Section 4(1)(a) emissions of particulate matter from the combustion of natural gas fuel shall not exceed 0.56 lb/mmBtu actual heat input.

iii. Pursuant to 401 KAR 59:015 Section 5(1)(a), emissions of sulfur dioxide from the combustion of natural gas fuel shall not exceed 3.0 lb/mmBtu actual heat input.

Compliance Demonstration Method:

Compliance with the particulate matter, sulfur dioxide and opacity standards is demonstrated while burning natural gas.

c. Also refer to **Section D** for requirements pursuant to 40 CFR 63, Subpart MMMM

3. Testing Requirements:

Pursuant to 401 KAR 59:005 Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:

a. The permittee shall monitor the opacity of emissions from each stack in accordance with **2. Emission Limitations, *Compliance Demonstration Method.***

b. The permittee shall monitor the daily VOC content of coatings as applied in accordance with **1. Operating Limitations, *Compliance Demonstration Method***.

c. Also refer to **Section D**.

5. Specific Recordkeeping Requirements:

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

a. The permittee shall maintain records of qualitative visual observations of opacity and any Method 9 readings performed.
b. The permittee shall maintain records of filter inspections, including the pressure drop across the filter.
c. The permittee shall record the date and time of filter replacements.
d. The permittee shall maintain records of the following information on site for the affected coating line:
    i. Daily amount and type of coatings and solvents, including exempt compounds, used at each point of application on the coating line.
    ii. Daily as-applied VOC content calculations and documentation from the manufacturer of each coating, solvent, clean up solvent which indicates the respective VOC and HAP contents.
    iii. The average monthly VOC content of the coatings used at the coating line.
e. Also, refer to **Section D**.

6. Specific Reporting Requirements:

a. The permittee shall submit a report of the monthly coating, solvent and cleaning solvent usage to the Division for Air Quality's Owensboro office in accordance with **Section F.5 and F.8**.
b. The permittee shall submit the calculated average VOC content of the coatings used and documentation from the manufacturer which indicates VOC content of each coating.
c. The permittee shall submit Method 9 opacity test results.
d. Also, refer to **Section D**.
e. Reports shall be submitted in accordance with **Section F.6.**

7. Specific Control Equipment Operating Conditions:

The control equipment shall be operated and maintained according to manufacturer's recommendation. Also, see Section E.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Painting Line 449

03 (449) Gray Repair Coating Line Applicator - 449
Air Gun Spray Applicator
Capacity: 1,000 pieces per hour, using approximately 0.77 gallons paint per hour
Construction Commenced: 1986
Control Equipment: low VOC coatings, and dry filters for particulate control.

04 (449) Gray Repair Coat Air Drying Zone - 449
650 pieces per hour
Construction Commenced: 1986
Control Equipment: None

24 (449) Gray Electrocoat Dip Tank – 449
Tank capacity: 17,500 gallons
1,000 pieces per hour
Construction Commenced: 1982
Control Equipment: Low VOC coatings

30 (449) Pretreatment burner #1A – 449
Rated Capacity: 5 MMBtu/hour (Indirect fired unit)
Fuel: Natural gas
Construction Commenced: 1982
Control Equipment: None

31 (449) Pretreatment burner #1B – 449
Rated Capacity: 3.8 MMBtu/hour (Indirect fired unit)
Fuel: Natural gas
Construction Commenced: 1982
Control Equipment: None

32 (449) Pretreatment burner #3 – 449
Rated Capacity: 5 MMBtu/hour (Indirect fired unit)
Fuel: Natural gas
Construction Commenced: 1982
Control Equipment: None

29 (449) Gray Electrocoat Dip Tank Curing Oven – 449
Rated Capacity: 10 MMBtu/hour (Direct fired unit)
Fuel: Natural gas
Construction Commenced: 1982
Control Equipment: None

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

APPLICABLE REGULATIONS:

401 KAR 59:225, *New Miscellaneous Metal Parts and Products Surface Coating Operations*, applies to Paint Line 449 as an affected facility, which commenced on or after the February 4, 1981 effective date of the regulation and which is part of a major source located in a county or portion of a county designated attainment or marginally nonattainment for ozone in 401 KAR 51:010.

401 KAR 59:010, *New Process Operations*, applicable to each affected facility or source, associated with a process operation, which is not subject to another emission standard with respect to particulates, commenced on or after July 2, 1975.

401 KAR 63:002. 40 CFR 63, *National Emission Standards for Hazardous Air* Pollutants, incorporating by reference 40 CFR 63, Subpart MMMM, *National Emission Standard for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products*, which applies to paint lines, coating lines, and electrodeposition painting lines. Paint Line 449 is an existing affected source pursuant to 40 CFR 63, Subpart MMMM.

401 KAR 59:015**,** *New Indirect Heat Exchangers*, applies with respect to particulate emissions and sulfur dioxide emissions to each affected facility with a capacity of 250 mmBtu/hr or less and greater than one (1) mmBtu/hr, and commenced on or after April 9, 1972. This rule applies to EP 29(449).

1. Operating Limitations:

The affected facility shall be exempt from the provisions of Section 3 of 401 KAR 59:225 provided the VOC content of coating at EP 03(449) and EP 04(449) is less than 3.5 lbs VOC/gallon, excluding water or exempt solvent or both, delivered to applicators associated with air or forced air-dried items or items subject to outdoor or harsh exposure or extreme environmental conditions. [401 KAR 59:225, Section 6(1)(b)]

Compliance Demonstration Method:

Compliance with **1. Operating Limitations** shall be demonstrated in accordance with 401 KAR 59:225, Section 4(5). The affected facility is the coating line, which is defined as the repair coating and electrocoat dipping process. The permittee may use MSDS or Technical Data Sheets to obtain the data to use in the following equation:

$$ef = \frac{(volume\ \ fraction\ organic\ solvent)(organic\ solvent\ density)}{1 - volume\ \ fraction\ of\ \ water\ and\ /\ or\ exempt\ sovent}$$

$$\text{Where } volume\ \ fraction\ organic\ solvent = \left(\frac{vol_p}{100}\right)\left(\frac{N_P}{N_P + N_T}\right) + \left(\frac{vol_T}{100}\right)\left(\frac{N_T}{N_P + N_T}\right)$$

$$\text{Or in general, } volume\ \ fraction\ organic\ solvent = \sum_{i=1}^{n}\left(\frac{vol_i}{100}\right)\left(\frac{N_i}{\sum_{i=1}^{n} N_i}\right)$$

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

The variables in the above equations are defined as follows:

Vol_P = percent volatile by volume of the paint (excluding water and/or exempt solvent)

Vol_T = percent volatile by volume of the thinner (excluding water and/or exempt solvent)

vol_i = percent volatile by volume of component *i* (excluding water and/or exempt solvent)

N_P =Number of parts of paint in multiple part coating

N_T = Number of parts of thinner in multiple part coating

N_i = Number of parts of component *i* in multiple part coating

n = Total number of components in multiple part coating

2. Emission Limitations:

a. For EP 03(449), 04(449) and 24(449):

i. Pursuant to 401 KAR 59:010, Section 3 (1)(a), no person shall cause, suffer, allow or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity for each emission point listed above.

ii. Pursuant to 401 KAR 59:010, Section 3(2) particulate emissions shall not exceed 2.34 lbs/hr for each emission point listed above.

Compliance Demonstration Method:

i. To demonstrate compliance with paragraph **2.a.i**, the permittee shall perform a qualitative visual observation of the opacity of emissions from the stack of EP 03(449) and 04(449) at least once per operating month and maintain a log of the observations. If visible emissions from the vents are seen, then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.

ii. Compliance with **2.a.i** demonstrates compliance with paragraph **2.a.ii**.

iii. The dip tank EP 24(449) shall be assumed to be in compliance with the above opacity and mass standards due to the nature of this type of coating operation.

b. For EP 30, 31, and 32(449):.

i. Pursuant to 401 KAR 59:015, Section 4(2), no person shall cause, suffer, allow or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

ii. Pursuant to 401 KAR 59:015, Section 4(1)(c) emissions of particulate matter from the combustion of natural gas fuel shall not exceed 0.5191 lb/mmBtu actual heat input.

iii. Pursuant to 401 KAR 59:015 Section 5(c), emissions of sulfur dioxide from the combustion of natural gas fuel shall not exceed 2.6 lb/mmBtu actual heat input.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:
Compliance with the particulate matter, sulfur dioxide and opacity standards is demonstrated while burning natural gas.

c. Also refer to **Section D** for requirements pursuant to 40 CFR 63, Subpart MMMM.

3. Testing Requirements:
Pursuant to 401 KAR 59:005 Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:
a. The permittee shall monitor the opacity of emissions from each stack in accordance with **2. Emission Limitations, *Compliance Demonstration Method.***
b. The permittee shall monitor the daily VOC content of coatings as applied in accordance with **1. Operating Limitations, *Compliance Demonstration Method***.
c. Also refer to **Section D**.

5. Specific Recordkeeping Requirements:
a. The permittee shall maintain records of qualitative visual observations of opacity and any Method 9 readings performed.
b. The permittee shall maintain records of filter inspections, including the pressure drop across the filter.
c. The permittee shall record the date and time of filter replacements.
d. The permittee shall maintain records of the following information on site for the affected coating line:
   i. Daily amount and type of coatings and solvents, including exempt compounds, used at each point of application on the coating line.
   ii. Daily as-applied VOC content calculations and documentation from the manufacturer of each coating, solvent, clean up solvent which indicates the respective VOC and HAP contents.
   iii. The average monthly VOC content of the coatings used at the coating line.
e. Also, refer to **Section D**.

6. Specific Reporting Requirements:
a. The permittee shall submit a report of the monthly coating, solvent and cleaning solvent usage to the Division for Air Quality's Owensboro office in accordance with **Section F.5 and F.8**.
b. The permittee shall submit the calculated average VOC content of the coatings used and documentation from the manufacturer which indicates VOC content of each coating.
c. The permittee shall submit Method 9 opacity test results.
d. Also, refer to **Section D**.
e. Reports shall be submitted in accordance with **Section F.6.**

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

The control equipment shall be operated and maintained according to manufacturer's recommendation. Also, see Section E.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

09 (27) Boiler 1
Fire Tube Boiler, North American 3500 XH-D
Capacity: 21 mmBtu/hr (Indirect fired unit)
Construction Commenced: 1974
Control Equipment: None
Primary Fuel: Natural gas
Secondary Fuel: #2 Fuel oil, 0.5% sulfur content

12 (19) Boiler 2
Fire Tube Boiler, North American 3500 XH-D
Capacity: 21 mmBtu/hr (Indirect fired unit)
Construction Commenced: 1974
Control Equipment: None
Primary Fuel: Natural gas
Secondary Fuel: #2 Fuel oil, 0.5% sulfur content

33 (447) Powder Coat Boiler
Fire Tube Boiler, North American 3500 XH-D
Capacity: 2 mmBtu/hr (Indirect fired unit)
Construction Commenced: 1974
Control Equipment: None
Fuel: Natural gas only

APPLICABLE REGULATIONS:

401 KAR 59:015**,** *New Indirect Heat Exchangers,* applies with respect to particulate emissions and sulfur dioxide emissions to each affected facility with a capacity of 250 mmBtu/hr or less and greater than one (1) mmBtu/hr, and commenced on or after April 9, 1972.

1. Operating Limitations:
None

2. Emission Limitations:

a. Pursuant to 401 KAR 59:015, Section 4(1)(c), emissions of particulate matter (PM) from the combustion of fuel shall not exceed.0.395 lb/mmBtu actual heat input for the boilers listed above.

b. Pursuant to 401 KAR 59:015, Section 4 (2), visible emissions shall not exceed twenty (20) percent opacity for the units listed above, except:

i. That, for indirect heat exchangers with heat input capacity of less than 250 million Btu per hour, a maximum of forty (40) percent opacity shall be permissible for not more than six (6) consecutive minutes in any sixty (60) consecutive minutes during cleaning the fire box or blowing soot.

ii. For emissions from an indirect heat exchanger during a new fire for the period to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. Pursuant to 401 KAR 59:015 Section 5(c), emissions of sulfur dioxide shall not exceed 1.6 lb/mmBtu actual heat input for the boilers listed above.

Compliance Demonstration Method:
Compliance with the particulate matter, sulfur dioxide and opacity standards is demonstrated while burning natural gas. Refer to **4. Specific Monitoring Requirements**, **5. Specific Recordkeeping Requirements** and **6. Specific Reporting Requirements** for compliance during oil combustion.

3. Testing Requirements:
Pursuant to 401 KAR 59:005 Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:
The permittee shall monitor and maintain records of the following information:
a. The hours during each month that #2 oil fuel is burned in Boilers #1 and #2.
b. The sulfur content of #2 oil fuel burned. The sulfur content may be determined by fuel sampling and analysis or by supplier certification.
c. When burning #2 fuel oil the permittee shall perform qualitative visible observations of the opacity of emissions from the stack at least once per day and maintain a log of the observations. If visible emissions are observed, then the opacity shall be determined by EPA Reference Method 9 and an inspection shall be initiated for any necessary repairs if the opacity limit is exceeded.

5. Specific Recordkeeping Requirements:
a. The permittee shall maintain records in accordance with **4. Specific Monitoring Requirements**
b. All records shall be maintained in accordance with **Section F.2**

6. Specific Reporting Requirements:
The permittee shall submit a semiannual analysis which indicates the sulfur content of the #2 oil if any is used to the Division for Air Quality's Owensboro office.

7. Specific Control Equipment Operating Conditions:
None.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

05 **Wire Welder Line 476** – ER70S-3 Electrode
Capacity: 120 lb electrode/hr
Construction Commenced: 12/10/1973
Control Equipment: None

06 **Wire Welder Line 477** – E70T-1 Electrode
Capacity: 54 lb electrode/hr
Construction Commenced: 12/10/1973
Control Equipment: None

22 **Wire Welder Line 471** – E70T-1 Electrode
Capacity: 84 lb electrode/hr
Construction Commenced: 1/30/1982
Control Equipment: cartridge filter collectors
Control Efficiency: 95%

26 **Wire Welder Line 474** – E70T-1 Electrode
Capacity: 110 lb electrode/hr
Construction Commenced: 8/01/1999
Control Equipment: cartridge filter collectors
Control Efficiency: 95%

10 **Shot Blaster – line 727**
Construction Commenced: 2007
Control Equipment: cartridge filter collectors
Control Efficiency: 95%

APPLICABLE REGULATIONS:

401 KAR 59:010, *New Process Operations*, applicable to each affected facility or source, associated with a process operation, which is not subject to another emission standard with respect to particulates, commenced on or after July 2, 1975. Applicable to emission points **22, 26 and 10**.

401 KAR 61:020, *Existing Process Operations*, applicable to each affected facility or source, associated with a process operation, which is not subject to another emission standard with respect to particulates, commenced before July 2, 1975. Applicable to emission points **05 and 06**.

1. Operating Limitations:
None

2. Emission Limitations:

a. Pursuant to 401 KAR 59:010, Section 3(1), visible emissions from the control device or stack for emission points 22, 26 and 10 shall not exceed 20% opacity.

b. Pursuant to 401 KAR 59:010, Section 3(2), emissions of particulate matter (PM) from the control device or stack to emission points 22, 26 and 10 shall not exceed 2.34 lb/hr.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. Pursuant to 401 KAR 61:020, Section 3(1), visible emissions from the control device or stack for emission points 05 and 06 shall not exceed 40%.
d. Pursuant to 401 KAR 61:020, Section 3(2), emissions of particulate matter (PM) from the control device or stack to emission points 05 and 06 shall not exceed 2.58 lb/hr.

Compliance Demonstration Method:

a. The permittee is presumed to be in compliance with the opacity requirements of paragraphs 2.a and 2.c based on the process description, but if deemed necessary the Division shall require testing in accordance with 40 CFR 60 Appendix A, Method 9.
b. The permittee is considered to be in compliance with paragraphs 2.b and 2.d based on the process description and use of AP-42 emission factors, but if deemed necessary the Division shall require testing in accordance with 40 CFR 60 Appendix A, Method 5.

3. Testing Requirements:

None.

4. Specific Monitoring Requirements:

The permittee shall monitor and maintain records of the following information:

a. The total monthly processing rates.
b. The hours per month of the operation of the unit(s).

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain records in accordance with **4. Specific Monitoring Requirements**
b. All records shall be maintained in accordance with **Section F.2**

6. Specific Reporting Requirements:

The permittee shall report any exceedances or excursions from emission limitations or operating limitations in accordance with **Section F- Monitoring, Recordkeeping, and Reporting Requirements.**

7. Specific Control Equipment Operating Conditions:

None.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. Although these activities are designated as insignificant the permittee must comply with the applicable regulation. Process and emission control equipment at each insignificant activity subject to a general applicable regulation shall be inspected monthly and a qualitative visible emissions evaluation made. Results of the inspections and observations shall be recorded in a log, noting color, duration, density (heavy or light), cause, and any corrective actions taken due to abnormal visible emissions.

Description	Generally Applicable Regulation
1. Three repair hand-held wire welders (Line 424, 429 and shot-blast)	401 KAR 59:010
2. One natural gas fired air makeup unit Rated at 2.2 mmBtu/hr	none
3. Thirteen (13) natural gas fired space heaters Each rated less than 1 mmBtu/hr (12.58 mmBtu/hr, total)	none
4. Brushing of metal parts after the welding operations on Lines 471, 474, 476 and 477 exhausting to a cartridge filter.	401 KAR 59:010
5. EP 34 (447) Powder Coat Cure Oven Rated at 3.8 mmBtu/hr	none
6. EP 35 (447) Prewash Drying Oven Rated at 3.8 mmBtu/hr	none
7. Application of temporary protective coatings prior to assembly	none
8. Three (3) emergency generators utilizing diesel fuel for combustion installed prior to 2005	none
9. Two Hydraulic Oil Storage Tanks	none
10. Wastewater treatment Facility	none

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. VOC, particulate matter and HAP emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

3. **Group Requirements: Paint Lines 449 and 450**

401 KAR 63:002. 40 CFR 63, *National Emission Standards for Hazardous Air* Pollutants, incorporating by reference 40 CFR 63, Subpart MMMM, *National Emission Standard for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products*, applies to this existing affected source. The affected source is the collection of all the items listed in 40 CFR 63.3882(b), as specified in paragraphs (1) through (4) below, that are used for surface coating of miscellaneous metal parts and products within each subcategory. This includes emission points 01 (450), 02 (450), 03 (449), 04 (449), 07 (450), and 24 (449).

(1) All coating operations as defined in 40 CFR 63.3981;
(2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
(3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and
(4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

The permittee shall comply with the following requirements:

a. Operating Limits:

i. The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated by reference in 401 KAR 63:002 Section 3(a), apply to the affected facilities listed in this section, except when otherwise specified in 40 CFR 63 Subpart MMMM. Table 2 to Subpart MMMM of Part 63 specifies the provisions of Subpart A that apply and those that do not apply. [40 CFR Part 63.3901]

ii. For any coating operation(s) on which the permittee uses the compliant material option or the emission rate without add-on controls option, the permittee is not required to meet any operating limits. [40 CFR 63.3892(a)]

iii. For any coating operation(s) on which the permittee uses the compliant material option or the emission rate without add-on controls option, the permittee is not required to meet any work practice standards. [40 CFR 63.3893(a)]

iv. The permittee must always operate and maintain the affected source, including all air pollution control and monitoring equipment used for purposes of complying with Subpart MMMM, according to the provisions in 40 CFR 63.6(e)(1)(i). [40 CFR 63.3900(b)]

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

b. Emission Limits:

i. For this existing general use coating affected source, the permittee shall limit organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period. [40 CFR 63.3890(b)(1)]

ii. Any coating operation(s) for which the compliant material option or the emission rate without add-on controls option are used, as specified in 40 CFR 63.3891(a) and (b) and ***Compliance Demonstration Method*** below, must be in compliance with the applicable emission limit in 40 CFR 63.3890 at all times. [40 CFR 63.3900(a)(1)]

Compliance Demonstration Method:

In accordance with 40 CFR 63.3891, the permittee must include all coatings (as defined in 40 CFR 63.3981), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in 40 CFR 63.3890. To make this determination, one of the two compliance options requested by the permittee and listed in paragraphs (a) through (c) below shall be used. The permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, the permittee may not use different compliance options at the same time on the same coating operation. If the permittee switches between compliance options for any coating operation or group of coating operations, then the permittee must document this switch as required by 40 CFR 63.3930(c), and report it in the next semiannual compliance report required in 40 CFR 63.3920.

a. *Compliant material option.* Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. The permittee must meet all the requirements of 40 CFR 40 CFR 63.3940, 63.3941, and 63.3942 to demonstrate compliance with the applicable emission limit using this option. [40 CFR 63.3891(a)]

b. *Emission rate without add-on controls option.* Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. The permittee must meet all the requirements of 40 CFR 40 CFR 63.3950, 63.3951, and 63.3952 to demonstrate compliance with the emission limit using this option. [40 CFR 63.3891(b)]

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

c. Initial Compliance Demonstration:

i. The permittee must complete the initial compliance demonstration for the initial compliance period according to the requirements of 40 CFR 63.3951. The initial compliance period begins on the applicable compliance date specified in 40 CFR 63.3883 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next 12 months. The permittee must determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. The initial compliance demonstration includes the calculations according to 40 CFR 63.3951 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit in 40 CFR 63.3890. [40 CFR 63.3950]

ii. For an existing affected source, the compliance date is the date 3 years after January 2, 2004. [40 CFR 63.3883]

Compliance Requirements for the Emission Rate Without Add-on Controls Option

d. Demonstrate Initial Compliance With the Emission Limitations:

The emission rate without add-on controls option may be used for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. The permittee must use either the compliant material option or the emission rate with add-on controls option for any coating operation in the affected source for which this option is not used. To demonstrate initial compliance using the emission rate without add-on controls option, the coating operation or group of coating operations must meet the applicable emission limit in 40 CFR 63.3890, but is not required to meet the operating limits or work practice standards in 40 CFR 63.3892 and 63.3893, respectively. When calculating the organic HAP emission rate according to 40 CFR 63, Subpart MMMM, the permittee shall not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which the compliant material option or the emission rate with add-on controls option is used. The permittee does not need to redetermine the mass of organic HAP in coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site (or reclaimed off-site if the permittee has documentation showing that the exact same materials that were sent off-site have been received back) and reused in the coating operation for which the emission rate without add-on controls option was used. If coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site are used, the amount of each used in a month may be reduced by the amount of each that is reclaimed. That is, the amount used may be calculated as the amount consumed to account for materials that are reclaimed. [40 CFR 63.3951]

i. D*etermine the mass fraction of organic HAP for each material*. Determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each month according to the requirements in 40 CFR 63.3941(a). [40 CFR 63.3951(a)] The requirements are as follows:

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

Determine the mass fraction of organic HAP for each material used. The permittee must determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during the compliance period by using one of the options in paragraphs (a)(1) through (5) below. [40 CFR 63.3941(a)]

(1) *Method 311 (appendix A to 40 CFR part 63)*. Method 311 may be used for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when performing a Method 311 test.

(i) Count each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is measured to be 0.5 percent of the material by mass, it does not have to be counted. Express the mass fraction of each organic HAP counted as a value truncated to four places after the decimal point (e.g., 0.3791).

(ii) Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions and truncating the result to three places after the decimal point (e.g., 0.763).

(2) *Method 24 (appendix A to 40 CFR part 60)*. For coatings, Method 24 may be used to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP.

(3) *Alternative method*. An alternative test method may be used for determining the mass fraction of organic HAP once the Administrator has approved it. The procedure in 40 CFR 63.7(f) must be followed to submit an alternative test method for approval.

(4) *Information from the supplier or manufacturer of the material*. The permittee may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (3) of 40 CFR 63.3941, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is 0.5 percent of the material by mass, it does not have to count it.

(5) *Solvent blends*. Solvent blends may be listed as single components for some materials in data provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP mass fraction of the materials. When test data and manufacturer's data for solvent blends are not available, the default values for the mass fraction of organic HAP in these solvent blends listed in Table 3 or 4 to 40 CFR 63, Subpart MMMM may be used. If the tables are used, the values in Table 3 for all solvent blends that match Table 3 entries according to the instructions for Table 3 must be used, and Table 4 may be used only if the solvent blends in the materials used do not match any of the solvent blends in Table 3 and only whether the blend is aliphatic or aromatic is known. However, if the results of a Method 311 (appendix A to 40 CFR Part 63) test indicate higher values than those listed on Table 3 or 4 to 40 CFR 63, Subpart MMMM, the Method 311 results will take precedence unless,

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

after consultation, it is demonstrated to the satisfaction of the enforcement agency that the formulation data are correct.

ii. *Determine the volume fraction of coating solids*. Determine the volume fraction of coating solids (liter (gal) of coating solids per liter (gal) of coating) for each coating used during each month according to the requirements in 40 CFR 63.3941(b). [40 CFR 63.3951(b)] The requirements are as follows:

Determine the volume fraction of coating solids for each coating. The volume fraction of coating solids (liters (gal) of coating solids per liter (gal) of coating) for each coating used during the compliance period by a test must be determined by information provided by the supplier or the manufacturer of the material, or by calculation, as specified in paragraphs (b)(1) through (4) of 40 CFR 63.3941. If test results obtained according to paragraph (b)(1) of 40 CFR 63.3941 do not agree with the information obtained under paragraph (b)(3) or (4) of 40 CFR 63.3941, the test results will take precedence unless, after consultation, the formulation data are demonstrated to be correct to the satisfaction of the enforcement agency. [40 CFR 63.3941(b)]

(1) *ASTM Method D2697–86 (Reapproved 1998) or ASTM Method D6093–97 (Reapproved 2003)*. ASTM Method D2697–86 (Reapproved 1998), "Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings" (incorporated by reference, see 40 CFR 63.14), or ASTM Method D6093–97 (Reapproved 2003), "Standard Test Method for Percent Volume Nonvolatile Matter in Clear or Pigmented Coatings Using a Helium Gas Pycnometer" (incorporated by reference, see 40 CFR 63.14) may be used to determine the volume fraction of coating solids for each coating. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids.

(2) *Alternative method*. An alternative test method for determining the solids content of each coating may be used once the Administrator has approved it. The procedure in 40 CFR 63.7(f) to submit an alternative test method for approval must be used.

(3) *Information from the supplier or manufacturer of the material*. The volume fraction of coating solids for each coating may be obtained from the supplier or manufacturer.

(4) *Calculation of volume fraction of coating solids*. The volume fraction of coating solids may be determined using Equation 1 of 40 CFR 3941:

$$V = 1 - \frac{m_{volatiles}}{D_{avg}} \quad (Eq.\ 1)$$

Where:

Vs = Volume fraction of coating solids, liters (gal) coating solids per liter (gal) coating.

$m_{volatiles}$ = Total volatile matter content of the coating, including HAP, volatile organic compounds (VOC), water, and exempt compounds,

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

determined according to Method 24 in appendix A of 40 CFR 60, grams volatile matter per liter coating.

D_{avg} = Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined from test results using ASTM Method D1475–98, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products" (incorporated by reference, see 40 CFR 63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between ASTM Method D1475–98 test results and other information sources, the test results will take precedence unless, after consultation it is demonstrated to the satisfaction of the enforcement agency that the formulation data are correct.

iii. *Determine the density of each material.* Determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using ASTM Method D1475–98, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products" (incorporated by reference, see 40 CFR 63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If powder coatings are included in the compliance determination, determine the density of powder coatings, using ASTM Method D5965–02, "Standard Test Methods for Specific Gravity of Coating Powders" (incorporated by reference, see 40 CFR 63.14), or information from the supplier. If there is disagreement between ASTM Method D1475–98 or ASTM Method D5965–02 test results and other such information sources, the test results will take precedence unless, after consultation the formulation data are demonstrated to be correct to the satisfaction of the enforcement agency. If materials purchased or monitor consumption by weight instead of volume, it is not necessary to determine material density. Instead, the material weight may be used in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of 40 CFR 63.3951. [40 CFR 63.3951(c)]

iv. *Determine the volume of each material used.* Determine the volume (liters) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement or usage records. If materials purchased or consumption is monitored by weight instead of volume, it is not needed to determine the volume of each material used. Instead, the material weight may be used in place of the combined terms for density and volume in Equations 1A, 1B, and 1C of 40 CFR 63.3951. [40 CFR 63.3951(d)]

v. *Calculate the mass of organic HAP emissions.* The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1 of 40 CFR 63.3951. [40 CFR 63.3951(e)]

$$H_e = A + B + C - R_w \quad (Eq.\ 1)$$

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

Where:

H_e = Total mass of organic HAP emissions during the month, kg.

A = Total mass of organic HAP in the coatings used during the month, kg, as calculated in Equation 1A of this section.

B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg, as calculated in Equation 1B of this section.

C = Total mass of organic HAP in the cleaning materials used during the month, kg, as calculated in Equation 1C of this section.

Rw = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, kg, determined according to paragraph (e)(4) of this section. (a value of zero may be assigned to R_w if this allowance is not used).

(1) Calculate the kg organic HAP in the coatings used during the month using Equation 1A of 40 CFR 63.3951:

$$A = \sum_{i=1}^{m} (Vol_{ci})(D_{ci})(W_{ci}) \qquad (Eq.\ 1A)$$

Where:

A = Total mass of organic HAP in the coatings used during the month, Kg.

Vol_{ci} = Total volume of coating, *i*, used during the month, liters

D_{ci} = Density of cleaning materials, *i*, Kg per liter

W_{ci} = Mass fraction of organic HAP in coating, *i*, kg organic HAP per kg coating.

m = Number of different coatings used during the month.

(2) Calculate the kg organic HAP in the thinners and/or other additives used during the month using Equation 1B of 40 CFR 63.3951:

$$B = \sum_{j=1}^{n} (Vol_{cj})(D_{cj})(W_{cj}) \qquad (Eq.\ 1B)$$

Where:

B = Total mass of organic HAP in the thinners and/or other additives used during the month, Kg.

Vol_{cj} = Total volume of thinners and/or other additives, *j*, used during the month, liters

D_{cj} = Density of cleaning materials, *j*, Kg per liter

W_{cj} = Mass fraction of organic HAP in thinners and/or other additives, *j*, kg organic HAP per kg coating.

n = Number of different coatings used during the month.

(3) Calculate the kg organic HAP in the thinners and/or other additives used during the month using Equation 1B of 40 CFR 63.3951:

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

$$C = \sum_{k=1}^{p} (Vol_{sk})(D_{sk})(W_{sk}) \qquad (Eq.\ 1C)$$

Where: C = Total mass of organic HAP in the cleaning materials used during the month, Kg.
Vol_{sk} = Total volume of cleaning materials, *k*, used during the month, liters
D_{sk} = Density of cleaning materials, *k*, Kg per liter
W_{sk} = Mass fraction of organic HAP in cleaning materials, *k*, kg organic HAP per kg coating.
p = Number of different cleaning materials used during the month.

(4) If the permittee chooses to account for the mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste TSDF in Equation 1 of 40 CFR 63.3951, then the mass must be determined in accordance with paragraphs (e)(4)(i) through (iv) of 40 CFR 63.3951. [40 CFR 63.3951(e)(4)]

vi. *Calculate the total volume of coating solids used*. Determine the total volume of coating solids used, liters, which is the combined volume of coating solids for all the coatings used during each month, using Equation 2 of 40 CFR 63.3951: [40 CFR 63.3951(f)]

$$V_{st} = \sum_{i=1}^{m} (Vol_{c,i})(V_{s,i}) \qquad (Eq.\ 2)$$

Where:
V_{st} = Total mass of coating solids used during the month, liters.
$Vol_{c,i}$ = Total volume of coating, *i*, used during the month, liters.
$V_{s,i}$ = Volume fraction of coating solids for coating, *i*, liter solids per liter coating, determined according to 40 CFR 63.3941(b).
m = Number of coatings used during the month.

vii. *Calculate the organic HAP emission rate*. Calculate the organic HAP emission rate for the compliance period, kg (lb) organic HAP emitted per liter (gal) coating solids used, using Equation 3 of 40 CFR 63.3951: [40 CFR 63.3951(g)]

$$H_{yr} = \frac{\sum_{y=1}^{n} H_e}{\sum_{y=1}^{n} V_{st}} \qquad (Eq.\ 3)$$

Where:

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

H_{yr} = Average organic HAP emission rate for the compliance period, kg organic HAP emitted per liter coating solids used.

H_e = Total mass of organic HAP emissions from all materials used during month, y, kg, as calculated by Equation 1 of this section.

V_{st} = Total volume of coating solids used during month, y, liters, as calculated by Equation 2 of this section.

y = Identifier for months.

n = Number of full or partial months in the compliance period (for the initial compliance period, *n* equals 12 if the compliance date falls on the first day of a month; otherwise *n* equals 13; for all following compliance periods, *n* equals 12).

viii. *Compliance demonstration.* The organic HAP emission rate for the initial compliance period calculated using Equation 3 of 40 CFR 63.3951 must be less than or equal to the applicable emission limit for each subcategory in 40 CFR 63.3890 or the predominant activity or facility-specific emission limit allowed in 40 CFR 63.3890(c). All records must be kept as required by 40 CFR 63.3930 and 63.3931. As part of the notification of compliance status required by 40 CFR 63.3910, the coating operation(s) for which the emission rate without add-on controls option was used must be identified and a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because the organic HAP emission rate was less than or equal to the applicable emission limit in 40 CFR 63.3890, determined according to the procedures in 40 CFR 63.3951 must be submitted. [40 CFR 63.3951(h)]

e. <u>Demonstration of Continuous Compliance with the Emission limitations</u>:

i. To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to 40 CFR 63.3951(a) through (g), must be less than or equal to the applicable emission limit in 40 CFR 63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in 40 CFR 63.3950 is the end of a compliance period consisting of that month and the preceding 11 months. The permittee must perform the calculations in 40 CFR 63.3951(a) through (g) on a monthly basis using data from the previous 12 months of operation. If the permittee is complying with a facility-specific emission limit under 40 CFR 63.3890(c), the calculation using Equation 1 in 40 CFR 63.3890(c)(2) must also be performed on a monthly basis using the data from the previous 12 months of operation. [40 CFR 63.3952(a)]

ii. If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in 40 CFR 63.3890, this is a deviation from the emission limitation for that compliance period and must be reported as specified in 40 CFR 63.3910(c)(6) and 63.3920(a)(6) . [40 CFR 63.3952(b)]

iii. As part of each semiannual compliance report required by 40 CFR 63.3920, the permittee must identify the coating operation(s) for which the emission rate without add-on controls option is used. If there were no deviations from the emission limitations, statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

rate for each compliance period was less than or equal to the applicable emission limit in 40 CFR 63.3890, determined according to 40 CFR 63.3951(a) through (g) must be submitted. [40 CFR 63.3952(c)]

iv. The permittee must maintain records as specified in 40 CFR 63.3930 and 63.3931. [40 CFR 63.3952(d)]

f. Notifications:

Notification of compliance status. The permittee must submit the notification of compliance status required by 40 CFR 63.9(h) no later than 30 calendar days following the end of the initial compliance period described in 40 CFR 63.3940, 63.3950, or 63.3960 that applies to the affected source. The notification of compliance status must contain the information specified in paragraphs (1) through (11) of 40 CFR 6310(c) and in 40 CFR 63.9(h). [40 CFR 63.3910(c)]

i. Company name and address.

ii. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

iii. Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period described in 40 CFR 63.3940, 63.3950, or 63.3960 that applies to the affected source.

iv. Identification of the compliance option or options specified in 40 CFR 63.3891 used on each coating operation in the affected source during the initial compliance period.

v. Statement of whether or not the affected source achieved the emission limitations for the initial compliance period.

vi. If there was a deviation, the information is to be included in paragraphs (6)(i) and (ii) of 40 CFR 63.3910(c).

(1) A description and statement of the cause of the deviation.

(2) If there was failure to meet the applicable emission limit in 40 CFR 63.3890, include all the calculations used to determine the kg (lb) of organic HAP emitted per liter (gal) coating solids used. It is not needed to submit information provided by the materials' suppliers or manufacturers, or test reports.

vii. For each of the data items listed in paragraphs (7)(i) through (iv) of 40 CFR 63.3910(c) that is required by the compliance option(s) used to demonstrate compliance with the emission limit, include an example of how the value was determined, including calculations and supporting data. Supporting data may include a copy of the information provided by the supplier or manufacturer of the example coating or material, or a summary of the results of testing conducted according to 40 CFR 63.3941(a), (b), or (c). It is not needed to submit copies of any test reports.

(1) Mass fraction of organic HAP for one coating, for one thinner and/or other additive, and for one cleaning material.

(2) Volume fraction of coating solids for one coating.

(3) Density for one coating, one thinner and/or other additive, and one leaning material, except that if the compliant material option is used, only the example coating density is required.

(4) The amount of waste materials and the mass of organic HAP contained in the waste materials for which an allowance is claimed in Equation 1 of 40 CFR 63.3951.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

viii. The calculation of kg (lb) of organic HAP emitted per liter (gal) coating solids used for the compliance option(s) used, as specified in paragraphs (8)(i) through (iii) of 40 CFR 63.3910(c).

(1) For the emission rate without add-on controls option, provide the calculation of the total mass of organic HAP emissions for each month; the calculation of the total volume of coating solids used each month; and the calculation of the 12-month organic HAP emission rate using Equations 1 and 1A through 1C, 2, and 3, respectively, of 40 CFR 63.3951.

g. Reporting Requirements:

Semiannual compliance reports. The permittee must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (1) through (7) of 40 CFR 63.3920(a). The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph (2) of 40 CFR 63.3920(a). [40 CFR 63.3920(a)]

(1) *Dates*. Unless the Administrator has approved or agreed to a different schedule for submission of reports under 40 CFR 63.10(a), the permittee must prepare and submit each semiannual compliance report according to the dates specified in paragraphs (1)(i) through (iv) of 40 CFR 63.3920(a). Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(i) The first semiannual compliance report must cover the first semiannual reporting period which begins the day after the end of the initial compliance period described in 40 CFR 63.3940, 40 CFR 63.3950, or 40 CFR 63.3960 that applies to the affected source and ends on June 30 or December 31, whichever date is the first date following the end of the initial compliance period.

(ii) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(iii) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(iv) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), the first and subsequent compliance reports may be submitted according to the dates the permitting authority has established instead of according to the date specified in paragraph (1)(iii) of 40 CFR 63.3920(a).

(2) *Inclusion with title V report.* Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 40 CFR part 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a semiannual compliance report pursuant to this section along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the semiannual compliance report includes all required information concerning deviations from any emission limitation in this

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

subpart, its submission will be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(3) *General requirements*. The semiannual compliance report must contain the information specified in paragraphs (3)(i) through (vii) of 40 CFR 63.3920(a), and the information specified in paragraphs (4) through (7) and (c)(1) of 40 CFR 63.3920(a) that is applicable to the affected source.

(i) Company name and address.

(ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(iv) Identification of the compliance option or options specified in 40 CFR 63.3891 that used on each coating operation during the reporting period. If the permittee switched between compliance options during the reporting period, the beginning and ending dates for each option used must be reported.

(v) If the permittee used the emission rate without add-on controls or the emission rate with add-on controls compliance option (40 CFR 63.3891(b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

(vi) If the permittee used the predominant activity alternative (40 CFR 63.3890(c)(1)), include the annual determination of predominant activity if it was not included in the previous semi-annual compliance report.

(vii) If the permittee used the facility-specific emission limit alternative (40 CFR 63.3890(c)(2)), include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.

(4) *No deviations*. If there were no deviations from the emission limitations in 40 CFR 63.3890, 63.3892, and 63.3893 that apply, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period. If the emission rate with add-on controls option was used and there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in 40 CFR 63.8(c)(7), the semiannual compliance report must include a statement that there were no periods during which the CPMS were out-of-control during the reporting period.

(5) *Deviations*: Compliant material option. If the compliant material option was used and there was a deviation from the applicable organic HAP content requirements in 40 CFR 63.3890, the semiannual compliance report must contain the information in paragraphs (5)(i) through (iv) of 40 CFR 63.3920(a).

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

(6) *Deviations: Emission rate without add-on controls option.* If the emission rate without add-on controls option was used and there was a deviation from the applicable emission limit in 40 CFR 63.3890, the semiannual compliance report must contain the information in paragraphs (6)(i) through (iii) of 40 CFR 63.3920(a).

(i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in 40 CFR 63.3890.

(ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of 40 CFR 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4). It is not needed to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).

(iii) A statement of the cause of each deviation.

h. Recordkeeping Requirements:

Records of the data and information specified in 40 CFR 63.3930 must be collected and kept. Failure to collect and keep these records is a deviation from the applicable standard. [40 CFR 63.3930]

(a) A copy of each notification and report submitted to comply with this 40 CFR 63, Subpart MMMM, and the documentation supporting each notification and report. If the predominant activity alternative under 40 CFR 63.3890(c) is being used, records of the data and calculations used to determine the predominant activity must be kept. If the facility-specific emission limit alternative under 40 CFR 63.3890(c) is being used, records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration must be kept. Records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports must also be kept.

(b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, a copy of the complete test report must be kept. If information provided by the manufacturer or supplier of the material that was based on testing was used, the summary sheet of results provided by the manufacturer or supplier must be kept. It is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

(c) For each compliance period, the records specified in paragraphs (1) through (4) of 40 CFR 63/3930(c).

(1) A record of the coating operations on which each compliance option was used and the time periods (beginning and ending dates and times) for each option used.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

(2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941.

(3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951.

(d) A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period.

(e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

(f) A record of the volume fraction of coating solids for each coating used during each compliance period.

(g) If either the emission rate without add-on controls or the emission rate with add-on controls compliance option is used , the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

(h) If an allowance is used in Equation 1 of 40 CFR 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.3951(e)(4), the permittee must keep records of the information specified in paragraphs (1) through (3) of 40 CFR 63.3930(h).

(1) The name and address of each TSDF to which the permittee sent waste materials for which an allowance is used in Equation 1 of 40 CFR 63.3951; a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

(2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which the allowance for these materials was used in Equation 1 of 40 CFR 63.3951.

(3) The methodology used in accordance with 40 CFR 63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

(j) Records of the date, time, and duration of each deviation must be kept.

i. Form and Time Period to Keep Records

(i) Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 6310(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. [40 CFR 63.3931(a)]

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

(ii) As specified in 40 CFR 63.10(b)(1), each record must be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [40 CFR 63.3931(b)]

Each record must be kept on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, or record according to 40 CFR 63.10(b)(1). Records may be kept off-site for the remaining 3 years. [40 CFR 63.3931(c)]

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b-IV-2 and 1a-8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.

8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Deviations from permit requirements, including those previously reported under F.7 above, shall be included in the semiannual report required by F.6 [Sections 1b-V, 3 and 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
   e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality
Owensboro Regional Office
3032 Alvey Park Dr. W
STE 700
Owensboro, KY 42303

U.S. EPA Region 4
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

   a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 Section 3(1)(b) and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].

   b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

   c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
      (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
      (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
      (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;
      (4) New requirements become applicable to a source subject to the Acid Rain Program.

      Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

   d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a- 7 and 8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

   e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:020 Section 3(1)(c)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

i. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens. [Section 1a-15-b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a-10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3) 2.].

l. This permit does not convey property rights or exclusive privileges [Section 1a-9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

m. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.

n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3) 4.].

o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3) 1.].

SECTION G - GENERAL PROVISIONS (CONTINUED)

p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

q. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
(1) Applicable requirements that are included and specifically identified in the permit and
(2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].

b. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

3. Permit Revisions

a. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).

b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

4. Construction, Start-Up, and Initial Compliance Demonstration Requirements

No construction authorized by this permit.

SECTION G - GENERAL PROVISIONS (CONTINUED)

5. Testing Requirements

   a. Pursuant to 401 KAR 50:045 Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

   b. Pursuant to 401 KAR 50:045 Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

   c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

6. Acid Rain Program Requirements

   a. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

   b. The permittee shall comply with all applicable requirements and conditions of the Acid Rain Permit and the Phase II permit application (including the Phase II NOx compliance plan and averaging plan, if applicable) incorporated into the Title V permit issued for this source. The source shall also comply with all requirements of any revised or future acid rain permit(s) issued to this source.

7. Emergency Provisions

   a. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
      (1) An emergency occurred and the permittee can identify the cause of the emergency;

SECTION G - GENERAL PROVISIONS (CONTINUED)

(2) The permitted facility was at the time being properly operated;
(3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
(4) Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
(5) This requirement does not relieve the source of other local, state or federal notification requirements.

b. Emergency conditions listed in General Condition G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].

c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

8. Ozone Depleting Substances

a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
(1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
(2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
(3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
(4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
(5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
(6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION G - GENERAL PROVISIONS (CONTINUED)

9. Risk Management Provisions

   a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

      RMP Reporting Center
      P.O. Box 1515
      Lanham-Seabrook, MD 20703-1515.

   b. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None